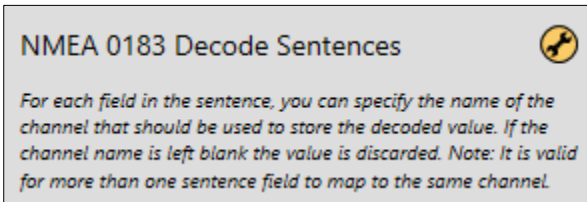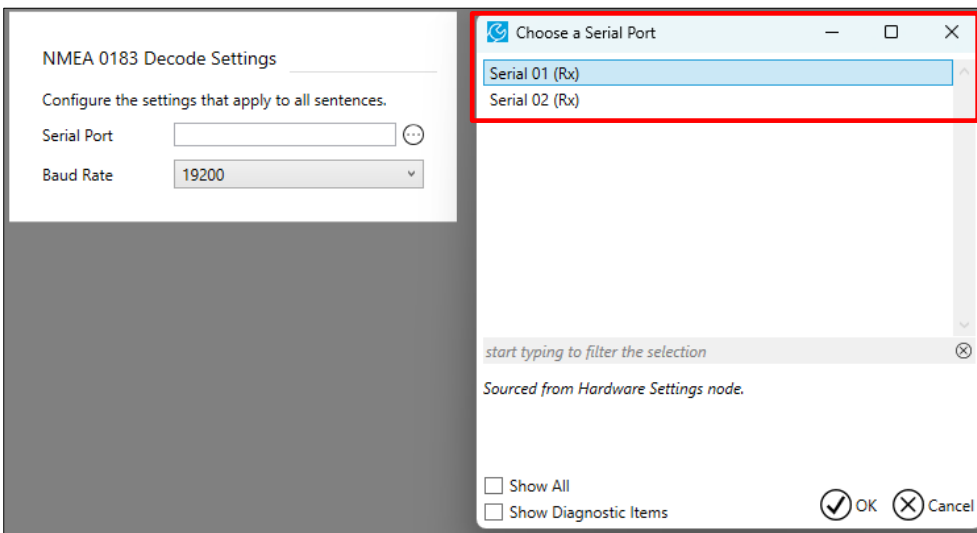## NMEA 0183 overview

The **NMEA 0183 Decode** node is used to configure a GPS input.

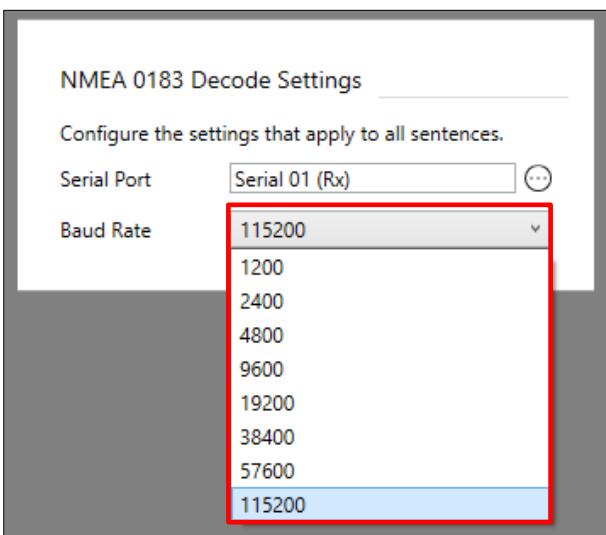### Configure a GPS Input

Open the **NMEA 0183 Decode** node and the 'wrench' tool to setup the GPS input

Select the **Serial Port** to which the GPS is connected.

Next, select the **Baud Rate** for the GPS input from the dropdown menu.

You can then click the check boxes to select the NMEA sentences to be decoded (1). You can edit the channel names as required (2).

Once you select the NMEA sentences, the channels are displayed on the **Channel Rates** node. You must set the channel logging rate for the data to be logged (1).

Channel Rates		
Channels	Logger 0 : Rate Group 0	
	SS	
	HS	
NMEA RX GLL Latitude	Off ⌄	
NMEA RX GLL Longitude	Off	
NMEA RX GLL Mode	1 Hz	
NMEA RX GLL Status	2 Hz	
NMEA RX GLL UTC Time	5 Hz	
NMEA RX HDM Heading	10 Hz	
NMEA RX HDT Heading	Off	
NMEA RX VTG Course	Off	
NMEA RX VTG Course Mag	Off	
NMEA RX VTG Mode	Off	
NMEA RX VTG Speed Ground	Off	